

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1 (Currently amended): Artificial hair composed of monofilaments containing poly(trimethylene terephthalate), wherein said monofilaments have a denier of 22 to 333 decitex, a melting point of 225 to 235°C, and a glass transition temperature of 45 to 80°C.

2. Cancelled.

3 (Currently amended): A method of manufacturing artificial hair, characterized in that in comprising

manufacturing artificial-hair monofilaments from a polymer containing poly(trimethylene terephthalate)[[,]] by melt extrusion wherein the melt-spinning temperature at which the polymer containing poly(trimethylene terephthalate) spins is 240 to 320°C; and

combining said artificial artificial-hair filaments to form artificial hair.

4 (Currently Amended): [[An]] The artificial-hair manufacturing method as set forth in claim 3, characterized in that wherein the draw ratio when the monofilaments are extruded is 2.0 to 4.0 times.

5 (Currently Amended): [[An]] The artificial-hair manufacturing method in claim 4, characterized in that wherein the temperature in extruding the monofilaments is 35 to 100°C in the draw zone.

6 (New): The artificial hair set forth in claim 1, wherein said monofilaments contain a monopolymer of said poly(trimethylene terephthalate) polymer as the sole polymer.

7 (New): The artificial hair set forth in claim 1, wherein said monofilaments contain a copolymer of said poly(trimethylene terephthalate) copolymerized with at least one substance selected from the group consisting of an acid component, isophthalic acid, succinic acid, adipic acid, 2,6-naphthalene dicarboxylic acid, a glycol component, 1,4-butanediol, 1,6-hexanediol, cyclohexanedimethanol, ϵ -caprolactam, 4-hydroxybenzoic acid, polyoxyethylene glycol and polytetramethylene glycol copolymerized in an amount less than 10 wt. %.

8 (New): The artificial hair set forth in claim 1, wherein said poly(trimethylene terephthalate) is copolymerized or mixed an additive selected from the group consisting of a deglosser, a heat stabilizer, a defoamer, a toner, a flame retardant, a antioxidant, a ultraviolet absorber, a infrared absorber, a crystallizer, and a fluorescent brightener.

9 (New): The artificial hair set forth in claim 1, wherein said denier is from 50 to 200 decitex.

10 (New): The artificial hair set forth in claim 1, wherein said melting point is from 228 to 232°C.

11 (New): The artificial hair set forth in claim 1, wherein said Tg is from 55 to 65°C.

12 (New): The method of manufacturing artificial hair set forth in claim 3, wherein said melt-spinning temperature is from 250 to 280°C.

13 (New): The method of manufacturing artificial hair set forth in claim 4, wherein said drawing ratio is 2.5 to 3.5 times.

14 (New): The method of manufacturing artificial hair set forth in claim 5, wherein said temperature in extruding the monofilaments is in the draw zone is from 50 to 100°C.

15 (New): The method of manufacturing artificial hair set forth in claim 3, further comprising a thermosetting process at a temperature of from 120 to 180°C.

16 (New): The method of manufacturing artificial hair set forth in claim 3, wherein said monofilaments have a denier of 22 to 333 decitex, a melting point of 225 to 235°C, and a glass transition temperature of 45 to 80°C.

17 (New): The method of manufacturing artificial hair set forth in claim 3, wherein said monofilaments contain a monopolymer of said poly(trimethylene terephthalate) polymer as the sole polymer.

18 (New): The method of manufacturing artificial hair set forth in claim 3, wherein said monofilaments contain a copolymer of said poly(trimethylene terephthalate) copolymerized with at least one substance selected from the group consisting of an acid component, isophthalic acid, succinic acid, adipic acid, 2,6-naphthalene dicarboxylic acid, a glycol component, 1,4-butanediol, 1,6-hexanediol, cyclohexanedimethanol, ϵ -caprolactam, 4-hydroxybenzoic acid, polyoxyethylene glycol and polytetramethylene glycol copolymerized in an amount less than 10 wt. %.

19 (New): The method of manufacturing artificial hair set forth in claim 3, wherein said poly(trimethylene terephthalate) is copolymerized or mixed an additive selected from the group consisting of a deglosser, a heat stabilizer, a defoamer, a toner, a flame retardant, a antioxidant, a ultraviolet absorber, a infrared absorber, a crystallizer, and a fluorescent brightener.

20 (New): The method of manufacturing artificial hair set forth in claim 3, wherein said artificial-hair is a wig or a toupee.